TITLE VI—NUCLEAR MATTERS

Subtitle A—Price-Anderson Act Amendments

SEC. 601. SHORT TITLE.

This subtitle may be cited as the ''Price-Anderson Amendments Act of 2005'' .

SEC. 602. EXTENSION OF INDEMNIFICATION AUTHORITY.

(a) INDEMNIFICATION OF NUCLEAR REGULATORY COMMISSION LICENSEES.—Section 170 c. of the Atomic Energy Act of 1954 (42 U.S.C. 2210(c)) is amended—

(1) in the subsection heading, by striking ''LICENSES'' and inserting ''LICENSEES''; and

(2) by striking ''December 31, 2003'' each place it appears and inserting ''December 31, 2025''.

(b) INDEMNIFICATION OF DEPARTMENT OF ENERGY CONTRACTORS.—Section 170 d.(1)(A) of the Atomic Energy Act of 1954 (42 U.S.C. 2210(d)(1)(A)) is amended by striking ''December 31, 2006'' and inserting ''December 31, 2025''.

(c) INDEMNIFICATION OF NONPROFIT EDUCATIONAL INSTITUTIONS.—Section 170 k. of the Atomic Energy Act of 1954 (42 U.S.C. 2210(k)) is amended by striking ''Au-

gust 1, 2002'' each place it appears and inserting ''December 31, 2025''.

SEC. 603. MAXIMUM ASSESSMENT.

Section 170 of the Atomic Energy Act of 1954 (42 U.S.C. 2210) is amended—

(1) in the second proviso of the third sentence of subsection b.(1)—

(A) by striking ''$63,000,000'' and inserting ''$95,800,000''; and

(B) by striking ''$10,000,000 in any 1 year'' and inserting ''$15,000,000 in any 1 year (subject to adjustment for inflation under subsection t.)''; and

(2) in subsection t.(1)—

(A) by inserting ''total and annual'' after ''amount of the maximum'';

(B) by striking ''the date of the enactment of the Price-Anderson Amendments Act of 1988'' and inserting ''August 20, 2003''; and

(C) in subparagraph (A), by striking ''such date of enactment'' and inserting ''August 20, 2003''.

SEC. 604. DEPARTMENT OF ENERGY LIABILITY LIMIT.

(a) INDEMNIFICATION OF DEPARTMENT OF ENERGY CONTRACTORS.—Section 170 d. of the Atomic Energy Act

of 1954 (42 U.S.C. 2210(d)) is amended by striking paragraph (2) and inserting the following:

''(2) In an agreement of indemnification entered into under paragraph (1), the Secretary—

''(A) may require the contractor to provide and maintain financial protection of such a type and in such amounts as the Secretary shall determine to be appropriate to cover public liability arising out of or in connection with the contractual activity; and

''(B) shall indemnify the persons indemnified against such liability above the amount of the financial protection required, in the amount of $10,000,000,000 (subject to adjustment for inflation under subsection t.), in the aggregate, for all persons indemnified in connection with the contract and for each nuclear incident, including such legal costs of the contractor as are approved by the Secretary.''.

(b) CONTRACT AMENDMENTS.—Section 170 d. of the Atomic Energy Act of 1954 (42 U.S.C. 2210(d)) is further amended by striking paragraph (3) and inserting the following—

''(3) All agreements of indemnification under which the Department of Energy (or its predecessor agencies) may be required to indemnify any person under this section shall be deemed to be amended, on the date of enact-

ment of the Price-Anderson Amendments Act of 2005, to reflect the amount of indemnity for public liability and any applicable financial protection required of the contractor under this subsection.''.

(c) LIABILITY LIMIT.—Section 170 e.(1)(B) of the Atomic Energy Act of 1954 (42 U.S.C. 2210(e)(1)(B)) is amended—

(1) by striking ''the maximum amount of financial protection required under subsection b. or''; and

(2) by striking ''paragraph (3) of subsection d., whichever amount is more'' and inserting ''paragraph (2) of subsection d.''.

SEC. 605. INCIDENTS OUTSIDE THE UNITED STATES.

(a) AMOUNT OF INDEMNIFICATION.—Section 170 d.(5) of the Atomic Energy Act of 1954 (42 U.S.C. 2210(d)(5)) is amended by striking ''$100,000,000'' and inserting ''$500,000,000''.

(b) LIABILITY LIMIT.—Section 170 e.(4) of the Atomic Energy Act of 1954 (42 U.S.C. 2210(e)(4)) is amended by striking ''$100,000,000'' and inserting ''$500,000,000''.

SEC. 606. REPORTS.

Section 170 p. of the Atomic Energy Act of 1954 (42 U.S.C. 2210(p)) is amended by striking ''August 1, 1998'' and inserting ''December 31, 2021''.

SEC. 607. INFLATION ADJUSTMENT.

Section 170 t. of the Atomic Energy Act of 1954 (42 U.S.C. 2210(t)) is amended—

(1) by redesignating paragraph (2) as paragraph (3); and

(2) by inserting after paragraph (1) the following:

''(2) The Secretary shall adjust the amount of indemnification provided under an agreement of indemnification under subsection d. not less than once during each 5-year period following July 1, 2003, in accordance with the aggregate percentage change in the Consumer Price Index since—

''(A) that date, in the case of the first adjustment under this paragraph; or

''(B) the previous adjustment under this paragraph.''.

SEC. 608. TREATMENT OF MODULAR REACTORS.

Section 170 b. of the Atomic Energy Act of 1954 (42 U.S.C. 2210(b)) is amended by adding at the end the following:

''(5)(A) For purposes of this section only, the Commission shall consider a combination of facilities described in subparagraph (B) to be a single facility having a rated capacity of 100,000 electrical kilowatts or more.

''(B) A combination of facilities referred to in subparagraph (A) is 2 or more facilities located at a single site, each of which has a rated capacity of 100,000 electrical kilowatts or more but not more than 300,000 electrical kilowatts, with a combined rated capacity of not more than 1,300,000 electrical kilowatts.''.

SEC. 609. APPLICABILITY.

The amendments made by sections 603, 604, and 605 do not apply to a nuclear incident that occurs before the date of the enactment of this Act.

SEC. 610. PROHIBITION ON ASSUMPTION BY UNITED STATES GOVERNMENT OF LIABILITY FOR CERTAIN FOREIGN INCIDENTS.

Section 170 of the Atomic Energy Act of 1954 (42 U.S.C. 2210) is amended by adding at the end the following new subsection:

''u. PROHIBITION ON ASSUMPTION OF LIABILITY FOR CERTAIN FOREIGN INCIDENTS.—Notwithstanding this section or any other provision of law, no officer of the United States or of any department, agency, or instrumentality of the United States Government may enter into any contract or other arrangement, or into any amendment or modification of a contract or other arrangement, the purpose or effect of which would be to directly or indirectly impose liability on the United States Government, or any

department, agency, or instrumentality of the United States Government, or to otherwise directly or indirectly require an indemnity by the United States Government, for nuclear incidents occurring in connection with the design, construction, or operation of a production facility or utilization facility in any country whose government has been identified by the Secretary of State as engaged in state sponsorship of terrorist activities (specifically including any country the government of which, as of September 11, 2001, had been determined by the Secretary of State under section 620A(a) of the Foreign Assistance Act of 1961 (22 U.S.C. 2371(a)), section 6(j)(1) of the Export Administration Act of 1979 (50 U.S.C. App. 2405(j)(1)), or section 40(d) of the Arms Export Control Act (22 U.S.C. 2780(d)) to have repeatedly provided support for acts of international terrorism). This subsection shall not apply to nuclear incidents occurring as a result of missions, carried out under the direction of the Secretary of Energy, the Secretary of Defense, or the Secretary of State, that are necessary to safely secure, store, transport, or remove nuclear materials for nuclear safety or nonproliferation purposes.''.

SEC. 611. CIVIL PENALTIES.

(a) REPEAL OF AUTOMATIC REMISSION.—Section 234A b.(2) of the Atomic Energy Act of 1954 (42 U.S.C. 2282a(b)(2)) is amended by striking the last sentence.

(b) LIMITATION FOR NOT-FOR-PROFIT INSTITUTIONS.—Subsection d. of section 234A of the Atomic Energy Act of 1954 (42 U.S.C. 2282a(d)) is amended to read as follows:

''d.(1) Notwithstanding subsection a., in the case of any not-for-profit contractor, subcontractor, or supplier, the total amount of civil penalties paid under subsection a. may not exceed the total amount of fees paid within any 1-year period (as determined by the Secretary) under the contract under which the violation occurs.

''(2) For purposes of this section, the term 'not-for-profit' means that no part of the net earnings of the contractor, subcontractor, or supplier inures to the benefit of any natural person or for-profit artificial person.''.

(c) EFFECTIVE DATE.—The amendments made by this section shall not apply to any violation of the Atomic Energy Act of 1954 (42 U.S.C. 2011 et seq.) occurring under a contract entered into before the date of enactment of this section.

SEC. 612. FINANCIAL ACCOUNTABILITY.

(a) AMENDMENT.—Section 170 of the Atomic Energy Act of 1954 (42 U.S.C. 2210) is amended by adding at the end the following new subsection:

''v. FINANCIAL ACCOUNTABILITY.—(1) Notwithstanding subsection d., the Attorney General may bring an action in the appropriate United States district court to recover from a contractor of the Secretary (or subcontractor or supplier of such contractor) amounts paid by the Federal Government under an agreement of indemnification under subsection d. for public liability resulting from conduct which constitutes intentional misconduct of any corporate officer, manager, or superintendent of such contractor (or subcontractor or supplier of such contractor).

''(2) The Attorney General may recover under paragraph (1) an amount not to exceed the amount of the profit derived by the defendant from the contract.

''(3) No amount recovered from any contractor (or subcontractor or supplier of such contractor) under paragraph (1) may be reimbursed directly or indirectly by the Department of Energy.

''(4) Paragraph (1) shall not apply to any nonprofit entity conducting activities under contract for the Secretary.

''(5) No waiver of a defense required under this section shall prevent a defendant from asserting such defense in an action brought under this subsection.

''(6) The Secretary shall, by rule, define the terms 'profit' and 'nonprofit entity' for purposes of this subsection. Such rulemaking shall be completed not later than 180 days after the date of the enactment of this subsection.''.

(b) EFFECTIVE DATE.—The amendment made by this section shall not apply to any agreement of indemnification entered into under section 170 d. of the Atomic Energy Act of 1954 (42 U.S.C. 2210(d)) before the date of the enactment of this Act.

Subtitle B—General Nuclear Matters

SEC. 621. LICENSES.

Section 103 c. of the Atomic Energy Act of 1954 (42 U.S.C. 2133(c)) is amended by inserting ''from the authorization to commence operations'' after ''forty years''.

SEC. 622. NRC TRAINING PROGRAM.

(a) IN GENERAL.—In order to maintain the human resource investment and infrastructure of the United States in the nuclear sciences, health physics, and engineering fields, in accordance with the statutory authorities

of the Nuclear Regulatory Commission relating to the civilian nuclear energy program, the Nuclear Regulatory Commission shall carry out a training and fellowship program to address shortages of individuals with critical nuclear safety regulatory skills.

(b) AUTHORIZATION OF APPROPRIATIONS.—

(1) IN GENERAL.—There are authorized to be appropriated to the Nuclear Regulatory Commission to carry out this section $1,000,000 for each of fiscal years 2005 through 2009.

(2) AVAILABILITY.—Funds made available under paragraph (1) shall remain available until expended.

SEC. 623. COST RECOVERY FROM GOVERNMENT AGENCIES.

Section 161 w. of the Atomic Energy Act of 1954 (42 U.S.C. 2201(w)) is amended—

(1) by striking ''for or is issued'' and all that follows through ''1702'' and inserting ''to the Commission for, or is issued by the Commission, a license or certificate'';

(2) by striking ''483a'' and inserting ''9701''; and

(3) by striking '', of applicants for, or holders of, such licenses or certificates''.

SEC. 624. ELIMINATION OF PENSION OFFSET.

Section 161 of the Atomic Energy Act of 1954 (42 U.S.C. 2201) is amended by adding at the end the following:

''y. Exempt from the application of sections 8344 and 8468 of title 5, United States Code, an annuitant who was formerly an employee of the Commission who is hired by the Commission as a consultant, if the Commission finds that the annuitant has a skill that is critical to the performance of the duties of the Commission.''.

SEC. 625. ANTITRUST REVIEW.

Section 105 c. of the Atomic Energy Act of 1954 (42 U.S.C. 2135(c)) is amended by adding at the end the following:

''(9) APPLICABILITY.—This subsection does not apply to an application for a license to construct or operate a utilization facility or production facility under section 103 or 104 b. that is filed on or after the date of enactment of this paragraph.''.

SEC. 626. DECOMMISSIONING.

Section 161 i. of the Atomic Energy Act of 1954 (42 U.S.C. 2201(i)) is amended—

(1) by striking ''and (3)'' and inserting ''(3)''; and

(2) by inserting before the semicolon at the end the following: '', and (4) to ensure that sufficient

funds will be available for the decommissioning of any production or utilization facility licensed under section 103 or 104 b., including standards and restrictions governing the control, maintenance, use, and disbursement by any former licensee under this Act that has control over any fund for the decommissioning of the facility''.

SEC. 627. LIMITATION ON LEGAL FEE REIMBURSEMENT.

Title II of the Energy Reorganization Act of 1974 (42 U.S.C. 5841 et seq.) is amended by adding at the end the following new section:

''LIMITATION ON LEGAL FEE REIMBURSEMENT

''SEC. 212. The Department of Energy shall not, except as required under a contract entered into before the date of enactment of this section, reimburse any contractor or subcontractor of the Department for any legal fees or expenses incurred with respect to a complaint subsequent to—

''(1) an adverse determination on the merits with respect to such complaint against the contractor or subcontractor by the Director of the Department of Energy's Office of Hearings and Appeals pursuant to part 708 of title 10, Code of Federal Regulations, or by a Department of Labor Administrative Law Judge pursuant to section 211 of this Act; or

''(2) an adverse final judgment by any State or Federal court with respect to such complaint against the contractor or subcontractor for wrongful termination or retaliation due to the making of disclosures protected under chapter 12 of title 5, United States Code, section 211 of this Act, or any comparable State law,

unless the adverse determination or final judgment is reversed upon further administrative or judicial review.''.

SEC. 629. REPORT ON FEASIBILITY OF DEVELOPING COMMERCIAL NUCLEAR ENERGY GENERATION FACILITIES AT EXISTING DEPARTMENT OF ENERGY SITES.

Not later than 1 year after the date of the enactment of this Act, the Secretary of Energy shall submit to Congress a report on the feasibility of developing commercial nuclear energy generation facilities at Department of Energy sites in existence on the date of enactment of this Act.

SEC. 630. URANIUM SALES.

(a) SALES, TRANSFERS, AND SERVICES.—Section 3112 of the USEC Privatization Act (42 U.S.C. 2297h–10) is amended by striking subsections (d), (e), and (f) and inserting the following:

''(3) The Secretary may transfer to the Corporation, notwithstanding subsections (b)(2) and (d), natural uranium in amounts sufficient to fulfill the Department of Energy's commitments under Article 4(B) of the Agreement between the Department and the Corporation dated June 17, 2002.

''(d) INVENTORY SALES.—(1) In addition to the transfers and sales authorized under subsections (b) and (c) and under paragraph (5) of this subsection, the United States Government may transfer or sell uranium in any form subject to paragraphs (2), (3), and (4).

''(2) Except as provided in subsections (b) and (c) and paragraph (5) of this subsection, no sale or transfer of uranium shall be made under this subsection by the United States Government unless—

''(A) the President determines that the material is not necessary for national security needs and the sale or transfer has no adverse impact on implementation of existing government-to-government agreements;

''(B) the price paid to the appropriate Federal agency, if the transaction is a sale, will not be less than the fair market value of the material; and

''(C) the sale or transfer to commercial nuclear power end users is made pursuant to a contract of at least 3 years' duration.

''(3) Except as provided in paragraph (5), the United States Government shall not make any transfer or sale of uranium in any form under this subsection that would cause the total amount of uranium transferred or sold pursuant to this subsection that is delivered for consumption by commercial nuclear power end users to exceed—

''(A) 3,000,000 pounds of U_3 O_8 equivalent in fiscal year 2005, 2006, 2007, 2008, or 2009;

''(B) 5,000,000 pounds of U_3O_8 equivalent in fiscal year 2010 or 2011;

''(C) 7,000,000 pounds of U_3O_8 equivalent in fiscal year 2012; and

''(D) 10,000,000 pounds of U_3O_8 equivalent in fiscal year 2013 or any fiscal year thereafter.

''(4) Except for sales or transfers under paragraph (5), for the purposes of this subsection, the recovery of uranium from uranium bearing materials transferred or sold by the United States Government to the domestic uranium industry shall be the preferred method of making uranium available. The recovered uranium shall be counted against the annual maximum deliveries set forth in this section, when such uranium is sold to end users.

''(5) The United States Government may make the following sales and transfers:

''(A) Sales or transfers to a Federal agency if the material is transferred for the use of the receiving agency without any resale or transfer to another entity and the material does not meet commercial specifications.

''(B) Sales or transfers to any person for national security purposes, as determined by the Secretary.

''(C) Sales or transfers to any State or local agency or nonprofit, charitable, or educational institution for use other than the generation of electricity for commercial use.

''(D) Sales or transfers to the Department of Energy research reactor sales program.

''(E) Sales or transfers, at fair market value, for emergency purposes in the event of a disruption in supply to commercial nuclear power end users in the United States.

''(F) Sales or transfers, at fair market value, for use in a commercial reactor in the United States with nonstandard fuel requirements.

''(G) Sales or transfers provided for under law for use by the Tennessee Valley Authority in relation

to the Department of Energy's highly enriched uranium or tritium programs.

''(6) For purposes of this subsection, the term 'United States Government' does not include the Tennessee Valley Authority.

''(e) SAVINGS PROVISION.—Nothing in this subchapter modifies the terms of the Russian HEU Agreement.

''(f) SERVICES.—Notwithstanding any other provision of this section, if the Secretary determines that the Corporation has failed, or may fail, to perform any obligation under the Agreement between the Department of Energy and the Corporation dated June 17, 2002, and as amended thereafter, which failure could result in termination of the Agreement, the Secretary shall notify Congress, in such a manner that affords Congress an opportunity to comment, prior to a determination by the Secretary whether termination, waiver, or modification of the Agreement is required. The Secretary is authorized to take such action as he determines necessary under the Agreement to terminate, waive, or modify provisions of the Agreement to achieve its purposes.''.

(b) REPORT.—Not later than 3 years after the date of enactment of this Act, the Secretary of Energy shall report to Congress on the implementation of this section.

The report shall include a discussion of available excess uranium inventories; all sales or transfers made by the United States Government; the impact of such sales or transfers on the domestic uranium industry, the spot market uranium price, and the national security interests of the United States; and any steps taken to remediate any adverse impacts of such sales or transfers.

SEC. 631. COOPERATIVE RESEARCH AND DEVELOPMENT AND SPECIAL DEMONSTRATION PROJECTS FOR THE URANIUM MINING INDUSTRY.

(a) AUTHORIZATION OF APPROPRIATIONS.—There are authorized to be appropriated to the Secretary of Energy $10,000,000 for each of fiscal years 2006, 2007, and 2008 for—

(1) cooperative, cost-shared agreements between the Department of Energy and domestic uranium producers to identify, test, and develop improved in situ leaching mining technologies, including low-cost environmental restoration technologies that may be applied to sites after completion of in situ leaching operations; and

(2) funding for competitively selected demonstration projects with domestic uranium producers relating to—

(A) enhanced production with minimal environmental impacts;

(B) restoration of well fields; and

(C) decommissioning and decontamination activities.

(b) DOMESTIC URANIUM PRODUCER.—For purposes of this section, the term ''domestic uranium producer'' has the meaning given that term in section 1018(4) of the Energy Policy Act of 1992 (42 U.S.C. 2296b–7(4)), except that the term shall not include any producer that has not produced uranium from domestic reserves on or after July 30, 1998.

(c) LIMITATION.—No activities funded under this section may be carried out in the State of New Mexico.

SEC. 632. WHISTLEBLOWER PROTECTION.

(a) DEFINITION OF EMPLOYER.—Section 211(a)(2) of the Energy Reorganization Act of 1974 (42 U.S.C. 5851(a)(2)) is amended—

(1) in subparagraph (C), by striking ''and'' at the end;

(2) in subparagraph (D), by striking the period at the end and inserting ''; and'' and

(3) by adding at the end the following:

''(E) a contractor or subcontractor of the Commission.''.

(b) DE NOVO REVIEW.—Subsection (b) of such section 211 is amended by adding at the end the following new paragraph:

''(4) If the Secretary has not issued a final decision within 540 days after the filing of a complaint under paragraph (1), and there is no showing that such delay is due to the bad faith of the person seeking relief under this paragraph, such person may bring an action at law or equity for de novo review in the appropriate district court of the United States, which shall have jurisdiction over such an action without regard to the amount in controversy.''.

SEC. 633. MEDICAL ISOTOPE PRODUCTION.

Section 134 of the Atomic Energy Act of 1954 (42 U.S.C. 2160d) is amended—

(1) in subsection a., by striking ''a. The Commission'' and inserting ''a. IN GENERAL.—Except as provided in subsection b., the Commission'';

(2) by redesignating subsection b. as subsection c.; and

(3) by inserting after subsection a. the following:

''b. MEDICAL ISOTOPE PRODUCTION.—

''(1) DEFINITIONS.—In this subsection:

"(A) HIGHLY ENRICHED URANIUM.—The term 'highly enriched uranium' means uranium enriched to include concentration of U–235 above 20 percent.

"(B) MEDICAL ISOTOPE.—The term 'medical isotope' includes Molybdenum 99, Iodine 131, Xenon 133, and other radioactive materials used to produce a radiopharmaceutical for diagnostic, therapeutic procedures or for research and development.

"(C) RADIOPHARMACEUTICAL.—The term 'radiopharmaceutical' means a radioactive isotope that—

"(i) contains byproduct material combined with chemical or biological material; and

"(ii) is designed to accumulate temporarily in a part of the body for therapeutic purposes or for enabling the production of a useful image for use in a diagnosis of a medical condition.

"(D) RECIPIENT COUNTRY.—The term 'recipient country' means Canada, Belgium, France, Germany, and the Netherlands.

''(2) LICENSES.—The Commission may issue a license authorizing the export (including shipment to and use at intermediate and ultimate consignees specified in the license) to a recipient country of highly enriched uranium for medical isotope production if, in addition to any other requirements of this Act (except subsection a.), the Commission determines that—

''(A) a recipient country that supplies an assurance letter to the United States Government in connection with the consideration by the Commission of the export license application has informed the United States Government that any intermediate consignees and the ultimate consignee specified in the application are required to use the highly enriched uranium solely to produce medical isotopes; and

''(B) the highly enriched uranium for medical isotope production will be irradiated only in a reactor in a recipient country that—

''(i) uses an alternative nuclear reactor fuel; or

''(ii) is the subject of an agreement with the United States Government to convert to an alternative nuclear reactor fuel

when alternative nuclear reactor fuel can be used in the reactor.

''(3) REVIEW OF PHYSICAL PROTECTION REQUIREMENTS.—

''(A) IN GENERAL.—The Commission shall review the adequacy of physical protection requirements that, as of the date of an application under paragraph (2), are applicable to the transportation and storage of highly enriched uranium for medical isotope production or control of residual material after irradiation and extraction of medical isotopes.

''(B) IMPOSITION OF ADDITIONAL REQUIREMENTS.—If the Commission determines that additional physical protection requirements are necessary (including a limit on the quantity of highly enriched uranium that may be contained in a single shipment), the Commission shall impose such requirements as license conditions or through other appropriate means.

''(4) FIRST REPORT TO CONGRESS.—

''(A) NAS STUDY.—The Secretary shall enter into an arrangement with the National Academy of Sciences to conduct a study to determine—

''(i) the feasibility of procuring supplies of medical isotopes from commercial sources that do not use highly enriched uranium;

''(ii) the current and projected demand and availability of medical isotopes in regular current domestic use;

''(iii) the progress that is being made by the Department of Energy and others to eliminate all use of highly enriched uranium in reactor fuel, reactor targets, and medical isotope production facilities; and

''(iv) the potential cost differential in medical isotope production in the reactors and target processing facilities if the products were derived from production systems that do not involve fuels and targets with highly enriched uranium.

''(B) FEASIBILITY.—For the purpose of this subsection, the use of low enriched uranium to produce medical isotopes shall be determined to be feasible if—

''(i) low enriched uranium targets have been developed and demonstrated for use in the reactors and target processing

facilities that produce significant quantities of medical isotopes to serve United States needs for such isotopes;

''(ii) sufficient quantities of medical isotopes are available from low enriched uranium targets and fuel to meet United States domestic needs; and

''(iii) the average anticipated total cost increase from production of medical isotopes in such facilities without use of highly enriched uranium is less than 10 percent.

''(C) REPORT BY THE SECRETARY.—Not later than 5 years after the date of enactment of the Energy Policy Act of 2005, the Secretary shall submit to Congress a report that—

''(i) contains the findings of the National Academy of Sciences made in the study under subparagraph (A); and

''(ii) discloses the existence of any commitments from commercial producers to provide domestic requirements for medical isotopes without use of highly enriched uranium consistent with the feasibility criteria described in subparagraph (B) not

later than the date that is 4 years after the date of submission of the report.

''(5) SECOND REPORT TO CONGRESS.—If the study of the National Academy of Sciences determines under paragraph (4)(A)(i) that the procurement of supplies of medical isotopes from commercial sources that do not use highly enriched uranium is feasible, but the Secretary is unable to report the existence of commitments under paragraph (4)(C)(ii), not later than the date that is 6 years after the date of enactment of the Energy Policy Act of 2005, the Secretary shall submit to Congress a report that describes options for developing domestic supplies of medical isotopes in quantities that are adequate to meet domestic demand without the use of highly enriched uranium consistent with the cost increase described in paragraph (4)(B)(iii).

''(6) CERTIFICATION.—At such time as commercial facilities that do not use highly enriched uranium are capable of meeting domestic requirements for medical isotopes, within the cost increase described in paragraph (4)(B)(iii) and without impairing the reliable supply of medical isotopes for domestic utilization, the Secretary shall submit to Congress a certification to that effect.

''(7) SUNSET PROVISION.—After the Secretary submits a certification under paragraph (6), the Commission shall, by rule, terminate its review of export license applications under this subsection.''.

SEC. 634. FERNALD BYPRODUCT MATERIAL.

Title III of the Nuclear Waste Policy Act of 1982 (42 U.S.C. 10221 et seq.) is amended by adding at the end the following new section:

''FERNALD BYPRODUCT MATERIAL

''SEC. 307. Notwithstanding any other law, the material in the concrete silos at the Fernald uranium processing facility managed on the date of enactment of this section by the Department shall be considered byproduct material (as defined by section 11 e.(2) of the Atomic Energy Act of 1954 (42 U.S.C. 2014(e)(2))). The Department may dispose of the material in a facility regulated by the Commission or by an Agreement State. If the Department disposes of the material in such a facility, the Commission or the Agreement State shall regulate the material as byproduct material under that Act. This material shall remain subject to the jurisdiction of the Department until it is received at a commercial, Commission-licensed, or Agreement State-licensed facility, at which time the material shall be subject to the health and safety requirements of the Commission or the Agreement State with jurisdiction over the disposal site.''.

SEC. 635. SAFE DISPOSAL OF GREATER-THAN-CLASS C RADIOACTIVE WASTE.

Subtitle D of title I of the Nuclear Waste Policy Act of 1982 (42 U.S.C. 10171) is amended by adding at the end the following new section:

''SAFE DISPOSAL OF GREATER-THAN-CLASS C RADIOACTIVE WASTE

''SEC. 152. (a) DESIGNATION OF RESPONSIBILITY.—The Secretary shall designate an Office within the Department to have the responsibility for activities needed to develop a new, or use an existing, facility for safely disposing of all low-level radioactive waste with concentrations of radionuclides that exceed the limits established by the Commission for Class C radioactive waste (referred to in this section as 'GTCC waste').

''(b) COMPREHENSIVE PLAN.—The Secretary shall develop a comprehensive plan for permanent disposal of GTCC waste which includes plans for a disposal facility. This plan shall be transmitted to Congress in a series of reports, including the following:

''(1) REPORT ON SHORT-TERM PLAN.—Not later than 180 days after the date of enactment of this section, the Secretary shall submit to Congress a plan describing the Secretary's operational strategy for continued recovery and storage of GTCC waste until a permanent disposal facility is available.

''(2) UPDATE OF 1987 REPORT.—

''(A) IN GENERAL.—Not later than 1 year after the date of enactment of this section, the Secretary shall submit to Congress an update of the Secretary's February 1987 report submitted to Congress that made comprehensive recommendations for the disposal of GTCC waste.

''(B) CONTENTS.—The update under this paragraph shall contain—

''(i) a detailed description and identification of the GTCC waste that is to be disposed;

''(ii) a description of current domestic and international programs, both Federal and commercial, for management and disposition of GTCC waste;

''(iii) an identification of the Federal and private options and costs for the safe disposal of GTCC waste;

''(iv) an identification of the options for ensuring that, wherever possible, generators and users of GTCC waste bear all reasonable costs of waste disposal;

''(v) an identification of any new statutory authority required for disposal of GTCC waste; and

''(vi) in coordination with the Environmental Protection Agency and the Commission, an identification of any new regulatory guidance needed for the disposal of GTCC waste.

''(3) REPORT ON COST AND SCHEDULE FOR COMPLETION OF ENVIRONMENTAL IMPACT STATEMENT AND RECORD OF DECISION.—Not later than 180 days after the date of submission of the update required under paragraph (2), the Secretary shall submit to Congress a report containing an estimate of the cost and schedule to complete a draft and final environmental impact statement and to issue a record of decision for a permanent disposal facility, utilizing either a new or existing facility, for GTCC waste.''.

SEC. 636. PROHIBITION ON NUCLEAR EXPORTS TO COUNTRIES THAT SPONSOR TERRORISM.

(a) IN GENERAL.—Section 129 of the Atomic Energy Act of 1954 (42 U.S.C. 2158) is amended—

(1) by inserting ''a.'' before ''No nuclear materials and equipment''; and

(2) by adding at the end the following new subsection:

"b.(1) Notwithstanding any other provision of law, including specifically section 121 of this Act, and except as provided in paragraphs (2) and (3), no nuclear materials and equipment or sensitive nuclear technology, including items and assistance authorized by section 57 b. of this Act and regulated under part 810 of title 10, Code of Federal Regulations, and nuclear-related items on the Commerce Control List maintained under part 774 of title 15 of the Code of Federal Regulations, shall be exported or reexported, or transferred or retransferred whether directly or indirectly, and no Federal agency shall issue any license, approval, or authorization for the export or reexport, or transfer, or retransfer, whether directly or indirectly, of these items or assistance (as defined in this paragraph) to any country whose government has been identified by the Secretary of State as engaged in state sponsorship of terrorist activities (specifically including any country the government of which has been determined by the Secretary of State under section 620A(a) of the Foreign Assistance Act of 1961 (22 U.S.C. 2371(a)), section 6(j)(1) of the Export Administration Act of 1979 (50 U.S.C. App. 2405(j)(1)), or section 40(d) of the Arms Ex-

port Control Act (22 U.S.C. 2780(d)) to have repeatedly provided support for acts of international terrorism).

''(2) This subsection shall not apply to exports, reexports, transfers, or retransfers of radiation monitoring technologies, surveillance equipment, seals, cameras, tamper-indication devices, nuclear detectors, monitoring systems, or equipment necessary to safely store, transport, or remove hazardous materials, whether such items, services, or information are regulated by the Department of Energy, the Department of Commerce, or the Nuclear Regulatory Commission, except to the extent that such technologies, equipment, seals, cameras, devices, detectors, or systems are available for use in the design or construction of nuclear reactors or nuclear weapons.

''(3) The President may waive the application of paragraph (1) to a country if the President determines and certifies to Congress that the waiver will not result in any increased risk that the country receiving the waiver will acquire nuclear weapons, nuclear reactors, or any materials or components of nuclear weapons and—

''(A) the government of such country has not within the preceding 12-month period willfully aided or abetted the international proliferation of nuclear explosive devices to individuals or groups or willfully

aided and abetted an individual or groups in acquiring unsafeguarded nuclear materials;

''(B) in the judgment of the President, the government of such country has provided adequate, verifiable assurances that it will cease its support for acts of international terrorism;

''(C) the waiver of that paragraph is in the vital national security interest of the United States; or

''(D) such a waiver is essential to prevent or respond to a serious radiological hazard in the country receiving the waiver that may or does threaten public health and safety.''.

(b) APPLICABILITY TO EXPORTS APPROVED FOR TRANSFER BUT NOT TRANSFERRED.—Subsection b. of section 129 of Atomic Energy Act of 1954, as added by subsection (a) of this section, shall apply with respect to exports that have been approved for transfer as of the date of the enactment of this Act but have not yet been transferred as of that date.

SEC. 638. NATIONAL URANIUM STOCKPILE.

The USEC Privatization Act (42 U.S.C. 2297h et seq.) is amended by adding at the end the following new section:

''SEC. 3118. NATIONAL URANIUM STOCKPILE.

''(a) STOCKPILE CREATION.—The Secretary of Energy may create a national low-enriched uranium stockpile with the goals to—

''(1) enhance national energy security; and

''(2) reduce global proliferation threats.

''(b) SOURCE OF MATERIAL.—The Secretary shall obtain material for the stockpile from—

''(1) material derived from blend-down of Russian highly enriched uranium derived from weapons materials; and

''(2) domestically mined and enriched uranium.

''(c) LIMITATION ON SALES OR TRANSFERS.—Sales or transfer of materials in the stockpile shall occur pursuant to section 3112.''.

Subtitle C—Advanced Reactor Hydrogen Cogeneration Project

SEC. 651. PROJECT ESTABLISHMENT.

The Secretary of Energy (in this subtitle referred to as the ''Secretary'') is directed to establish an Advanced Reactor Hydrogen Cogeneration Project.

SEC. 652. PROJECT DEFINITION.

The project shall consist of the research, development, design, construction, and operation of a hydrogen production cogeneration research facility that, relative to the current commercial reactors, enhances safety features,

reduces waste production, enhances thermal efficiencies, increases proliferation resistance, and has the potential for improved economics and physical security in reactor siting. This facility shall be constructed so as to enable research and development on advanced reactors of the type selected and on alternative approaches for reactor-based production of hydrogen.

SEC. 653. PROJECT MANAGEMENT.

(a) MANAGEMENT.—The project shall be managed within the Department by the Office of Nuclear Energy, Science, and Technology.

(b) LEAD LABORATORY.—The lead laboratory for the project, providing the site for the reactor construction, shall be the Idaho National Laboratory (in this subtitle referred to as ''INL'').

(c) STEERING COMMITTEE.—The Secretary shall establish a national steering committee with membership from the national laboratories, universities, and industry to provide advice to the Secretary and the Director of the Office of Nuclear Energy, Science, and Technology on technical and program management aspects of the project.

(d) COLLABORATION.—Project activities shall be conducted at INL, other national laboratories, universities, domestic industry, and international partners.

SEC. 654. PROJECT REQUIREMENTS.

(a) RESEARCH AND DEVELOPMENT.—

(1) IN GENERAL.—The project shall include planning, research and development, design, and construction of an advanced, next-generation, nuclear energy system suitable for enabling further research and development on advanced reactor technologies and alternative approaches for reactor-based generation of hydrogen.

(2) REACTOR TEST CAPABILITIES AT INL.—The project shall utilize, where appropriate, extensive reactor test capabilities resident at INL.

(3) ALTERNATIVES.—The project shall be designed to explore technical, environmental, and economic feasibility of alternative approaches for reactor-based hydrogen production.

(4) INDUSTRIAL LEAD.—The industrial lead for the project shall be a company incorporated in the United States.

(b) INTERNATIONAL COLLABORATION.—

(1) IN GENERAL.—The Secretary shall seek international cooperation, participation, and financial contribution in this project.

(2) ASSISTANCE FROM INTERNATIONAL PARTNERS.—The Secretary may contract for assistance from specialists or facilities from member countries

of the Generation IV International Forum, the Russian Federation, or other international partners where such specialists or facilities provide access to cost-effective and relevant skills or test capabilities.

(3) GENERATION IV INTERNATIONAL FORUM.—International activities shall be coordinated with the Generation IV International Forum.

(4) GENERATION IV NUCLEAR ENERGY SYSTEMS PROGRAM.—The Secretary may combine this project with the Generation IV Nuclear Energy Systems Program.

(c) DEMONSTRATION.—The overall project, which may involve demonstration of selected project objectives in a partner nation, must demonstrate both electricity and hydrogen production and may provide flexibility, where technically and economically feasible in the design and construction, to enable tests of alternative reactor core and cooling configurations.

(d) PARTNERSHIPS.—The Secretary shall establish cost-shared partnerships with domestic industry or international participants for the research, development, design, construction, and operation of the research facility, and preference in determining the final project structure shall be given to an overall project which retains United

States leadership while maximizing cost sharing opportunities and minimizing Federal funding responsibilities.

(e) TARGET DATE.—The Secretary shall select technologies and develop the project to provide initial testing of either hydrogen production or electricity generation by 2011, or provide a report to Congress explaining why this date is not feasible.

(f) WAIVER OF CONSTRUCTION TIMELINES.—The Secretary is authorized to conduct the Advanced Reactor Hydrogen Cogeneration Project without the constraints of DOE Order 413.3, relating to program and project management for the acquisition of capital assets, as necessary to meet the specified operational date.

(g) COMPETITION.—The Secretary may fund up to 2 teams for up to 1 year to develop detailed proposals for competitive evaluation and selection of a single proposal and concept for further progress. The Secretary shall define the format of the competitive evaluation of proposals.

(h) USE OF FACILITIES.—Research facilities in industry, national laboratories, or universities either within the United States or with cooperating international partners may be used to develop the enabling technologies for the research facility. Utilization of domestic university-based facilities shall be encouraged to provide educational opportunities for student development.

(i) ROLE OF NUCLEAR REGULATORY COMMISSION.—

(1) IN GENERAL.—The Nuclear Regulatory Commission shall have licensing and regulatory authority for any reactor authorized under this subtitle, pursuant to section 202 of the Energy Reorganization Act of 1974 (42 U.S.C. 5842).

(2) RISK-BASED CRITERIA.—The Secretary shall seek active participation of the Nuclear Regulatory Commission throughout the project to develop risk-based criteria for any future commercial development of a similar reactor architecture.

(j) REPORT.—The Secretary shall develop and transmit to Congress a comprehensive project plan not later than December 31, 2005. The project plan shall be updated annually with each annual budget submission.

SEC. 655. AUTHORIZATION OF APPROPRIATIONS.

(a) RESEARCH, DEVELOPMENT, AND DESIGN PROGRAMS.—The following sums are authorized to be appropriated to the Secretary for all activities under this subtitle except for construction activities described in subsection (b):

(1) For fiscal year 2005, $35,000,000.

(2) For each of fiscal years 2006 through 2009, $150,000,000.

(3) For fiscal years beyond 2009, such sums as are necessary.

(b) CONSTRUCTION.—There are authorized to be appropriated to the Secretary for all project-related construction activities, to be available until expended, $500,000,000.

Subtitle D—Nuclear Security

SEC. 661. NUCLEAR FACILITY THREATS.

(a) STUDY.—The President, in consultation with the Nuclear Regulatory Commission (referred to in this subtitle as the ''Commission'') and other appropriate Federal, State, and local agencies and private entities, shall conduct a study to identify the types of threats that pose an appreciable risk to the security of the various classes of facilities licensed by the Commission under the Atomic Energy Act of 1954 (42 U.S.C. 2011 et seq.). Such study shall take into account, but not be limited to—

(1) the events of September 11, 2001;

(2) an assessment of physical, cyber, biochemical, and other terrorist threats;

(3) the potential for attack on facilities by multiple coordinated teams of a large number of individuals;

(4) the potential for assistance in an attack from several persons employed at the facility;

(5) the potential for suicide attacks;

(6) the potential for water-based and air-based threats;

(7) the potential use of explosive devices of considerable size and other modern weaponry;

(8) the potential for attacks by persons with a sophisticated knowledge of facility operations;

(9) the potential for fires, especially fires of long duration;

(10) the potential for attacks on spent fuel shipments by multiple coordinated teams of a large number of individuals;

(11) the adequacy of planning to protect the public health and safety at and around nuclear facilities, as appropriate, in the event of a terrorist attack against a nuclear facility; and

(12) the potential for theft and diversion of nuclear materials from such facilities.

(b) SUMMARY AND CLASSIFICATION REPORT.—Not later than 180 days after the date of the enactment of this Act, the President shall transmit to Congress and the Commission a report—

(1) summarizing the types of threats identified under subsection (a); and

(2) classifying each type of threat identified under subsection (a), in accordance with existing laws and regulations, as either—

(A) involving attacks and destructive acts, including sabotage, directed against the facility by an enemy of the United States, whether a foreign government or other person, or otherwise falling under the responsibilities of the Federal Government; or

(B) involving the type of risks that Commission licensees should be responsible for guarding against.

(c) FEDERAL ACTION REPORT.—Not later than 90 days after the date on which a report is transmitted under subsection (b), the President shall transmit to Congress a report on actions taken, or to be taken, to address the types of threats identified under subsection (b)(2)(A), including identification of the Federal, State, and local agencies responsible for carrying out the obligations and authorities of the United States. Such report may include a classified annex, as appropriate.

(d) REGULATIONS.—Not later than 180 days after the date on which a report is transmitted under subsection (b), the Commission may revise, by rule, the design basis threats issued before the date of enactment of this section

as the Commission considers appropriate based on the summary and classification report.

(e) PHYSICAL SECURITY PROGRAM.—The Commission shall establish an operational safeguards response evaluation program that ensures that the physical protection capability and operational safeguards response for sensitive nuclear facilities, as determined by the Commission consistent with the protection of public health and the common defense and security, shall be tested periodically through Commission approved or designed, observed, and evaluated force-on-force exercises to determine whether the ability to defeat the design basis threat is being maintained. For purposes of this subsection, the term ''sensitive nuclear facilities'' includes at a minimum commercial nuclear power plants and category I fuel cycle facilities.

(f) CONTROL OF INFORMATION.—Notwithstanding any other provision of law, the Commission may undertake any rulemaking under this subtitle in a manner that will fully protect safeguards and classified national security information.

(g) FEDERAL SECURITY COORDINATORS.—

(1) REGIONAL OFFICES.—Not later than 18 months after the date of enactment of this Act, the Commission shall assign a Federal security coordi-

nator, under the employment of the Commission, to each region of the Commission.

(2) RESPONSIBILITIES.—The Federal security coordinator shall be responsible for—

(A) communicating with the Commission and other Federal, State, and local authorities concerning threats, including threats against such classes of facilities as the Commission determines to be appropriate;

(B) ensuring that such classes of facilities as the Commission determines to be appropriate maintain security consistent with the security plan in accordance with the appropriate threat level; and

(C) assisting in the coordination of security measures among the private security forces at such classes of facilities as the Commission determines to be appropriate and Federal, State, and local authorities, as appropriate.

(h) TRAINING PROGRAM.—The President shall establish a program to provide technical assistance and training to Federal agencies, the National Guard, and State and local law enforcement and emergency response agencies in responding to threats against a designated nuclear facility.

SEC. 662. FINGERPRINTING FOR CRIMINAL HISTORY RECORD CHECKS.

(a) IN GENERAL.—Subsection a. of section 149 of the Atomic Energy Act of 1954 (42 U.S.C. 2169(a)) is amended—

(1) by striking ''a. The Nuclear'' and all that follows through ''section 147.'' and inserting the following:

''a. IN GENERAL.—

''(1) REQUIREMENTS.—

''(A) IN GENERAL.—The Commission shall require each individual or entity—

''(i) that is licensed or certified to engage in an activity subject to regulation by the Commission;

''(ii) that has filed an application for a license or certificate to engage in an activity subject to regulation by the Commission; or

''(iii) that has notified the Commission, in writing, of an intent to file an application for licensing, certification, permitting, or approval of a product or activity subject to regulation by the Commission,

to fingerprint each individual described in subparagraph (B) before the individual is per-

mitted unescorted access or access, whichever is applicable, as described in subparagraph (B).

''(B) INDIVIDUALS REQUIRED TO BE FINGERPRINTED.—The Commission shall require to be fingerprinted each individual who—

''(i) is permitted unescorted access to—

''(I) a utilization facility; or

''(II) radioactive material or other property subject to regulation by the Commission that the Commission determines to be of such significance to the public health and safety or the common defense and security as to warrant fingerprinting and background checks; or

''(ii) is permitted access to safeguards information under section 147.'';

(2) by striking ''All fingerprints obtained by a licensee or applicant as required in the preceding sentence'' and inserting the following:

''(2) SUBMISSION TO THE ATTORNEY GENERAL.—All fingerprints obtained by an individual or entity as required in paragraph (1)'';

(3) by striking ''The costs of any identification and records check conducted pursuant to the preceding sentence shall be paid by the licensee or applicant.'' and inserting the following:

''(3) COSTS.—The costs of any identification and records check conducted pursuant to paragraph (1) shall be paid by the individual or entity required to conduct the fingerprinting under paragraph (1)(A).''; and

(4) by striking ''Notwithstanding any other provision of law, the Attorney General may provide all the results of the search to the Commission, and, in accordance with regulations prescribed under this section, the Commission may provide such results to licensee or applicant submitting such fingerprints.'' and inserting the following:

''(4) PROVISION TO INDIVIDUAL OR ENTITY REQUIRED TO CONDUCT FINGERPRINTING.—Notwithstanding any other provision of law, the Attorney General may provide all the results of the search to the Commission, and, in accordance with regulations prescribed under this section, the Commission may provide such results to the individual or entity required to conduct the fingerprinting under paragraph (1)(A).''.

(b) ADMINISTRATION.—Subsection c. of section 149 of the Atomic Energy Act of 1954 (42 U.S.C. 2169(c)) is amended—

(1) by striking ", subject to public notice and comment, regulations—" and inserting "requirements—"; and

(2) by striking, in paragraph (2)(B), "unescorted access to the facility of a licensee or applicant" and inserting "unescorted access to a utilization facility, radioactive material, or other property described in subsection a.(1)(B)".

(c) BIOMETRIC METHODS.—Subsection d. of section 149 of the Atomic Energy Act of 1954 (42 U.S.C. 2169(d)) is redesignated as subsection e., and the following is inserted after subsection c.:

"d. USE OF OTHER BIOMETRIC METHODS.—The Commission may satisfy any requirement for a person to conduct fingerprinting under this section using any other biometric method for identification approved for use by the Attorney General, after the Commission has approved the alternative method by rule.".

SEC. 663. USE OF FIREARMS BY SECURITY PERSONNEL OF LICENSEES AND CERTIFICATE HOLDERS OF THE COMMISSION.

Section 161 of the Atomic Energy Act of 1954 (42 U.S.C. 2201) is amended by adding at the end the following subsection:

''(z)(1) notwithstanding section 922(o), (v), and (w) of title 18, United States Code, or any similar provision of any State law or any similar rule or regulation of a State or any political subdivision of a State prohibiting the transfer or possession of a handgun, a rifle or shotgun, a short-barreled shotgun, a short-barreled rifle, a machinegun, a semiautomatic assault weapon, ammunition for the foregoing, or a large capacity ammunition feeding device, authorize security personnel of licensees and certificate holders of the Commission (including employees of contractors of licensees and certificate holders) to receive, possess, transport, import, and use 1 or more of those weapons, ammunition, or devices, if the Commission determines that—

''(A) such authorization is necessary to the discharge of the security personnel's official duties; and

''(B) the security personnel—

''(i) are not otherwise prohibited from possessing or receiving a firearm under Federal or State laws pertaining to possession of firearms by certain categories of persons;

''(ii) have successfully completed requirements established through guidelines implementing this subsection for training in use of firearms and tactical maneuvers;

''(iii) are engaged in the protection of—

''(I) facilities owned or operated by a Commission licensee or certificate holder that are designated by the Commission; or

''(II) radioactive material or other property owned or possessed by a person that is a licensee or certificate holder of the Commission, or that is being transported to or from a facility owned or operated by such a licensee or certificate holder, and that has been determined by the Commission to be of significance to the com-

mon defense and security or public health and safety; and

''(iv) are discharging their official duties.

''(2) Such receipt, possession, transportation, importation, or use shall be subject to—

''(A) chapter 44 of title 18, United States Code, except for section 922(a)(4), (o), (v), and (w);

''(B) chapter 53 of title 26, United States Code, except for section 5844; and

''(C) a background check by the Attorney General, based on fingerprints and including a check of the system established under section 103(b) of the Brady Handgun Violence Prevention Act (18 U.S.C. 922 note) to determine whether the person applying for the authority is prohibited from possessing or receiving a firearm under Federal or State law.

''(3) This subsection shall become effective upon the issuance of guidelines by the Commission, with the approval of the Attorney General, to govern the implementation of this subsection.

''(4) In this subsection, the terms 'handgun', 'rifle', 'shotgun', 'firearm', 'ammunition', 'machine-

gun', 'semiautomatic assault weapon', 'large capacity ammunition feeding device', 'short-barreled shotgun', and 'short-barreled rifle' shall have the meanings given those terms in section 921(a) of title 18, United States Code.''.

SEC. 664. UNAUTHORIZED INTRODUCTION OF DANGEROUS WEAPONS.

Section 229 a. of the Atomic Energy Act of 1954 (42 U.S.C. 2278a(a)) is amended in the first sentence by inserting ''or subject to the licensing authority of the Commission or to certification by the Commission under this Act or any other Act'' before the period at the end.

SEC. 665. SABOTAGE OF NUCLEAR FACILITIES OR FUEL.

(a) IN GENERAL.—Section 236 a. of the Atomic Energy Act of 1954 (42 U.S.C. 2284(a)) is amended—

(1) in paragraph (2), by striking ''storage facility'' and inserting ''storage, treatment, or disposal facility'';

(2) in paragraph (3)—

(A) by striking ''such a utilization facility'' and inserting ''a utilization facility licensed under this Act''; and

(B) by striking ''or'' at the end;

(3) in paragraph (4)—

(A) by striking ''facility licensed'' and inserting '', uranium conversion, or nuclear fuel fabrication facility licensed or certified''; and

(B) by striking the comma at the end and inserting a semicolon; and

(4) by inserting after paragraph (4) the following:

''(5) any production, utilization, waste storage, waste treatment, waste disposal, uranium enrichment, uranium conversion, or nuclear fuel fabrication facility subject to licensing or certification under this Act during construction of the facility, if the destruction or damage caused or attempted to be caused could adversely affect public health and safety during the operation of the facility;

''(6) any primary facility or backup facility from which a radiological emergency preparedness alert and warning system is activated; or

''(7) any radioactive material or other property subject to regulation by the Nuclear Regulatory Commission that, before the date of the offense, the Nuclear Regulatory Commission determines, by order or regulation published in the Federal Register, is of significance to the public health and safety or to common defense and security,''.

(b) PENALTIES.—Section 236 of the Atomic Energy Act of 1954 (42 U.S.C. 2284) is amended by striking ''$10,000 or imprisoned for not more than 20 years, or both, and, if death results to any person, shall be imprisoned for any term of years or for life'' both places it appears and inserting ''$1,000,000 or imprisoned for up to life without parole''.

SEC. 666. SECURE TRANSFER OF NUCLEAR MATERIALS.

(a) AMENDMENT.—Chapter 14 of the Atomic Energy Act of 1954 (42 U.S.C. 2201–2210b) is amended by adding at the end the following new section:

''SEC. 170C. SECURE TRANSFER OF NUCLEAR MATERIALS.

''a. The Nuclear Regulatory Commission shall establish a system to ensure that materials described in subsection b., when transferred or received in the United States by any party pursuant to an import or export license issued pursuant to this Act, are accompanied by a manifest describing the type and amount of materials being transferred or received. Each individual receiving or accompanying the transfer of such materials shall be subject to a security background check conducted by appropriate Federal entities.

''b. Except as otherwise provided by the Commission by regulation, the materials referred to in subsection a. are byproduct materials, source materials, special nuclear

materials, high-level radioactive waste, spent nuclear fuel, transuranic waste, and low-level radioactive waste (as defined in section 2(16) of the Nuclear Waste Policy Act of 1982 (42 U.S.C. 10101(16))).".

(b) REGULATIONS.—Not later than 1 year after the date of the enactment of this Act, and from time to time thereafter as it considers necessary, the Nuclear Regulatory Commission shall issue regulations identifying radioactive materials or classes of individuals that, consistent with the protection of public health and safety and the common defense and security, are appropriate exceptions to the requirements of section 170C of the Atomic Energy Act of 1954, as added by subsection (a) of this section.

(c) EFFECTIVE DATE.—The amendment made by subsection (a) shall take effect upon the issuance of regulations under subsection (b), except that the background check requirement shall become effective on a date established by the Commission.

(d) EFFECT ON OTHER LAW.—Nothing in this section or the amendment made by this section shall waive, modify, or affect the application of chapter 51 of title 49, United States Code, part A of subtitle V of title 49, United States Code, part B of subtitle VI of title 49, United States Code, and title 23, United States Code.

(e) TABLE OF SECTIONS AMENDMENT.—The table of sections for chapter 14 of the Atomic Energy Act of 1954 is amended by adding at the end the following new item:

''Sec. 170C. Secure transfer of nuclear materials.''.

SEC. 667. DEPARTMENT OF HOMELAND SECURITY CONSULTATION.

Before issuing a license for a utilization facility, the Nuclear Regulatory Commission shall consult with the Department of Homeland Security concerning the potential vulnerabilities of the location of the proposed facility to terrorist attack.

SEC. 668. AUTHORIZATION OF APPROPRIATIONS.

(a) IN GENERAL.—There are authorized to be appropriated such sums as are necessary to carry out this subtitle and the amendments made by this subtitle.

(b) AGGREGATE AMOUNT OF CHARGES.—Section 6101(c)(2)(A) of the Omnibus Budget Reconciliation Act of 1990 (42 U.S.C. 2214(c)(2)(A)) is amended—

(1) in clause (i), by striking ''and'' at the end;

(2) in clause (ii), by striking the period at the end and inserting ''; and'' and

(3) by adding at the end the following:

''(iii) amounts appropriated to the Commission for homeland security activities of the Commission for the fiscal year, except for the costs of fingerprinting and

background checks required by section 149 of the Atomic Energy Act of 1954 (42 U.S.C. 2169) and the costs of conducting security inspections.''.